**Tripp Lite**
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

# Model #: SMART5000TEL3U

## SmartPro Rack/Tower UPS System - Intelligent, line-interactive battery backup and network power management

### Highlights

- 5000VA line interactive 3U rack / tower UPS
- Enhanced communication ports (2 USB / 2 DB9), free PowerAlert software and cabling, slot for SNMP/Web card
- Maintains 208V nominal output over an input range of 174-282 (also supports 400VA of 120V output)
- 5 output receptacles (L6-30, L6-20, 5-15)
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

### Description

Tripp Lite's SMART5000TEL3U intelligent, line interactive UPS protects server, networking and telecommunications equipment from blackouts, voltage fluctuations and surges in a compact rackmount housing. Completely self-contained UPS system occupies only 3 rack spaces (3U) in a standard 19 inch rack, making this model one of the smallest 5kVA UPS systems available. Included accessories support mounting 4 post rack enclosures. Large capacity 5000 VA/3750 watt UPS system accepts raw 208/240V AC input, adjusting output to normal 208V levels. One pair of 120V outlets support up to 400VA monitors and other low voltage accessories. Includes slot for internal SNMP/web card, plus 2 DB9 and 2 USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Five 5 outlets (two L6-20R, one L6-30R and two 5-15R) allow the connection of high current 20 and 30 amp 208V connectors and up to two 120V devices (max 400VA at 120V).

Applications

- Ideal for centralized UPS protection of critical 208 volt equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- SMART5000TEL3U UPS System
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

### Features

- Large 5000VA/3750-watt output capacity accommodates solitary large loads or multiple low-power loads
- High power density 5kVA power module occupies only 3 rack spaces (3U)
- 16 minutes half-load runtime (with a continuous load 2500VA; much longer runtime available at smaller loads)
- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- High voltage output supports 208V server, internetworking and telecom applications
- Pair of 120V outlets supports up to 400VA for standard 120V monitors, voicemail and other low-power networking devices

- Five total outlets (two L6-20R, one L6-30R and two 5-15R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- Included PowerAlert Software provides e-mail or pager notification of power problems and simultaneous automatic unattended shutdown of multiple servers
- 4 built-in communications ports (2 USB/2 DB9) for remote monitoring and unattended shutdown
- Slot for SNMP/web card (part#: SNMPWEBCARD) and environmental sensor (part#: ENVIROSENSE) for remote communications in large IP environments
- Emergency Power Off (EPO) interface for emergency shutoff in large facilities
- Hot-swappable/user-replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- UPS ships fully assembled and ready for installation; no time-consuming user battery connections required
- $250,000 Ultimate Lifetime Insurance. No warranty cards required for coverage!
- 2-year manufacturer's product warranty

## Specifications

| | |
|---|---|
| **SYSTEM OVERVIEW** | |
| **Voltage compatibility** | 208V AC |
| **Frequency compatibility** | 60 Hz |
| **OUTPUT** | |
| **Output VA** | 5000 |
| **Output watts** | 3750 |
| **Output nominal voltage** | 208V AC |
| **Output voltage regulation** | LINE MODE: Sine wave output within 208V (-6% +20%) plus 120V nominal (600VA max @ 120V) |
| **Output frequency regulation** | LINE MODE: Passes line frequency of 60Hz +/-10% |
| **Outlet quantity / type** | 1 NEMA L6-30R, 2 NEMA L6-20R and 2 NEMA 5-15R |
| **Overload protection** | Resettable circuit breaker |
| **INPUT** | |
| **Maximum input amps** | 24A / 3970 watts @208V |
| **Input connection type** | NEMA L6-30P |
| **Input cord length** | 10 ft., 10 gauge |
| **Recommended Electrical Service** | 30A 208V (or 50A 208V) |
| **BATTERY** | |
| **Full load runtime** | 8.5 min (5000VA) |
| **Half load runtime** | 20 min (2500VA) |
| **DC system voltage** | 48 VDC |
| **Typical battery lifespan** | 3-6 years, depending on usage |
| **Battery recharge rate** | 2-4 hours to 90% |
| **Replacement Battery Cartridge** | RBC94-3U (qty 3) |
| **VOLTAGE REGULATION** | |
| **Voltage regulation description** | Automatic Voltage Regulation (AVR) circuits maintains clean, regulated computer-grade 208/120V nominal output, without using battery power, during brownouts to 167V and overvoltages to 260V |
| **Overvoltage correction** | Input voltages between 228V and 260V are reduced by 12% |

| | |
|---|---|
| **Brownout correction** | Input voltages between 167V and 194V are boosted by 12% |
| **LEDS ALARMS & SWITCHES** | |
| **Front panel LEDs** | 5 front-panel LEDs: Green POWER LED, Green VOLTAGE CORRECTION LED, 3-color BATTERY CHARGE LED, 3-color OUTPUT LOAD LED, red BATTERY WARNING LED |
| **Alarms** | 3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone) |
| **Switches** | Yes, includes 2 front panel mounted push button switches for system enable, self-test and alarm cancel functions |
| **SURGE / NOISE SUPPRESSION** | |
| **AC surge suppression** | 1020 joules |
| **AC suppression response time** | Instantaneous |
| **EMI / RFI AC noise suppression** | Yes |
| **PHYSICAL** | |
| **Shipping weight (lbs)** | 181.9 |
| **Shipping weight (kg)** | 82.58 |
| **Shipping Dimensions (HWD/in)** | 11.25 x 23 x 31.5 |
| **Shipping Dimensions (HWD/cm)** | 28.6 x 58.4 x 80 |
| **Unit weight (lbs)** | 143.3 |
| **Unit weight (kg)** | 65.1 |
| **Unit Dimensions (HWD/in)** | 5.25 x 17.5 x 25 |
| **Unit Dimensions (HWD/cm)** | 13.3 x 44.5 x 63.5 |
| **Material of construction** | Steel |
| **Form factors supported** | Rack (3U) |
| **Cooling method** | Built-in cooling fan |
| **Battery Access** | Battery access door allows hot swap battery replacement without powering connected equipment off |
| **ENVIRONMENTAL** | |
| **Relative Humidity** | 0 to 95%, non-condensing |
| **Storage Temperature** | +5 to +122 degrees Fahrenheit |
| **Operating Temperature** | +32 to +104 degrees Fahrenheit |
| **COMMUNICATIONS** | |
| **Network monitoring port** | Includes built-in USB and DB9 serial ports. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging |
| **Software and cabling included** | Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with USB and DB9 serial cables |
| **SNMP compatibility** | Built-in accessory slot accommodates internal SNMP / Web card and other network accessories |
| **WatchDog compatibility** | Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications |
| **LINE / BATTERY TRANSFER** | |

| | |
|---|---|
| **Transfer time from line power to battery mode** | 4 to 8 milliseconds |
| **Low voltage transfer to battery power** | 167VAC (resets to line power as voltage increases to 176VAC) |
| **High voltage transfer to battery power** | 260V (resets to line power as voltage decreases to 254VAC) |
| **SPECIAL FEATURES** | |
| **EPO port** | Includes RJ11 EPO (emergency power off) port and interconnection cable |
| **TVSS grounding** | Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a chassis grounding point. |
| **Cold Start** | Yes, inverter can be cold started to enable temporary AC output during a power failure |
| **Appearance** | Attractive black rackmount housing |
| **CERTIFICATIONS** | |
| **Certifications** | Tested to UL1778 (USA), CSA (Canada), FCC Class A (Emissions) |
| **WARRANTY** | |
| **Product Warranty Period** | 2 year product warranty |
| **Connected Equipment Coverage** | $250,000 connected equipment insurance (USA / Canada only) |
| **Optional Coverage** | 3-year, 5-year, next-day and on-site warranty coverage available for select opportunities; contact Tripp Lite |

## Related Items

| **Extended Warranties** | | |
|---|---|---|
| WEXT3-5000TEL | 3-Year Extended Warranty - For SMART5000TEL3U only | Qty: [optional] |
| WEXT5-5000TEL | 5-Year Extended Warranty - For SMART5000TEL3U only | Qty: [optional] |

| **Rackmount/Wallmount Kits** | | |
|---|---|---|
| 2POSTRMKITWM | Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.) | Qty: [optional] |

| **SNMP Accessories** | | |
|---|---|---|
| U022-010 | USB Cable - 10-ft. USB 2.0 AB Gold Device Cable | Qty: [optional] |
| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | Qty: [optional] |
| SNMPWEBCARD | For remote monitoring and control via SNMP, Web or telnet. | Qty: [optional] |

| **Start-Up/Warranty Services** | | |
|---|---|---|
| W02-BW0 | Regular business hours start-up, excludes on-site warranty. | Qty: [optional] |
| W02-BW2-1BD | Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area. | Qty: [optional] |
| W02-BW2-247 | Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area. | Qty: [optional] |
| W02-BW3-1BD | Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-BW3-247 | Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |
| W02-EW0 | Evening or weekend hours start-up, excludes on-site warranty. | Qty: [optional] |
| W02-EW2-1BD | Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |

| | | |
|---|---|---|
| W02-EW2-247 | Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |
| W02-EW3-1BD | Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-EW3-247 | Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |
| W02-BW1-1BD | Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area. | Qty: [optional] |
| W02-BW1-247 | Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area. | Qty: [optional] |
| W02-EW1-1BD | Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-EW1-247 | Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |

| **Surge Protectors** | | |
|---|---|---|
| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | Qty: [optional] |

| **Tower Stands** | | |
|---|---|---|
| 2-9USTAND | Tower Stand - Expandable Tower Base Stand UPS Accessory | Qty: [optional] |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3035.

©2009 Tripp Lite. All Rights Reserved.